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Rice Situation

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Economic Research
Service

U.S. Department of
Agriculture

RS-29

March
1977

U.S. DEPARTMENT OF AGRICULTURE
ECONOMIC RESEARCH SERVICE
CURRENT SERIAL RECORDS

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TABLE I. *MILLED RICE AND MILLED WHEAT (ROUGH EQUIVALENT): MARKETING YEAR SUPPLY, DISAPPEARANCE, ACREAGE AND PRICES, 1971-76 1/ *

RS-29, March 1977

1/ CONSOLIDATED SUPPLY AND DISAPPEARANCE OF ROUGH AND MILLED RICE. CONVERTED MILLED RICE DATA TO A ROUGH RICE BASIS USING ANNUALLY DERIVED EXTRACTION RATES AS FACTORS. 2/ RESULTS FROM STORAGE AND HANDLING LOSSES, AND INACCURATE DATA ON ROUGH RICE.
4/ LESS THAN 50,000 CWT. 4/ PRELIMINARY. 5/ PROJECTED. *TOTALS MAY NOT ADD DUE TO INDEPENDENT ROUNDING.

THE RICE SITUATION

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SUMMARY

U.S. Rice Exports Gain But Stocks Likely to Increase Again

A record rice supply dominates the 1976/77 rice marketing year. Lower prices, expanding world demand, and a tailoff in world production are contributing to an expansion in U.S. exports but stocks will likely increase for the second year in a row.

An 11-percent reduction in plantings last year accounted for a 9-percent smaller rice crop though it was still the second largest on record. But record large stocks of 37 million cwt. on hand at the start of the season, more than half of which were inventories of the Commodity Credit Corporation (CCC), were more than offsetting and the 1976/77 supply was a record 154 million cwt.

Domestic use is likely to rise moderately as brewers use more rice. After a sharp drop last season, U.S. exports have rebounded because of smaller crops in major producing countries, expansion in world demand, and lower U.S. prices. Sales to Indonesia, Iran, and the European Community have been particularly strong. U.S. exports for the season are expected to top last year's 56 million cwt. by 15-20 percent.

While total use is likely to be larger, it still appears that there will be another increase in stocks at year's end, part of which could be added to CCC inventories. Because of large stocks overhanging the market, rice prices have been under pressure from the start of this season. Farm prices for August-December averaged only \$6.55 per cwt., about a fourth below a year earlier. With a target price of \$8.25, deficiency payments of \$1.70 per cwt. were triggered on allotment production. Payments to growers should total about \$135 million. Farm prices have shown some seasonal increase and are currently about \$6.75 per cwt. For the year, prices should average \$6.60 to \$6.75 per cwt.

The major features of the 1977 program (announced last December) are virtually unchanged from 1976—including permitting substitution of other crops to preserve allotments and retain eligibility for deficiency payments if applicable. Still to be announced is the final set-aside deter-

The *Rice Situation* will be published in October 1977.

mination. A preliminary announcement that there would be no set-aside in 1977 was made in December. The final determination must be announced by April 1. On March 17, the Department announced an extension of the maturity date for 1976 crop loans from April 30 to June 30, 1977.

Growers indicated as of January 1 that they will cut acreage 8 percent to 2.3 million acres, largely because of depressed prices. Moreover, the subsequent cutback in the availability of water for irrigation in California will likely result in a much smaller planted acreage.

THE 1976/77 SITUATION

1976/77 Rice Supply Record Large

Sharply lower prices moved rice farmers to reduce their plantings last spring to 2.5 million acres, an 11-percent decline from 1975's record 2.8 million. Higher yields offset some of the acreage cutback and the 1976 crop of 117 million cwt. was 9 percent below 1975's record output. However, a five-fold increase in beginning stocks more than offset the decline in 1976 production, and the 1976/77 supply of rice was a record 154 million cwt. (table 1). Supplies of long grain rice increased while short and medium grain supplies declined by about 10 percent.

Acreage was down in all States with California having the largest cut—109,000 acres or 21 percent. Arkansas continued as the leading rice State with 850,000 planted acres. Southern growers shifted some medium grain acreage to long grain, causing production of long grain rice to increase.

Carryover stocks last August 1 totaled 37 million cwt. As a result of 1975/76 prices dropping well below the \$8.52 support, over half of these stocks were owned by the Commodity Credit Corporation (CCC). This marked the first CCC takeover since 1971/72. The present CCC sales price of about \$10.20 per cwt. (115 percent of the \$8.25 target price plus handling charges of \$0.72) has virtually isolated these stocks from the market.

January 1 Stocks Up, August-December Use Up

January 1 rice stocks (rough equivalent) totaled a record 106 million cwt., 9 percent above last year and a whopping 43-percent larger than two years

ago. All the increase was in rough rice as milled rice stocks were down 5 percent.

Long grain rice stocks jumped 32 percent from January 1, 1976, reflecting the increase in 1976 production and very large carryin stocks. Meanwhile, medium grain stocks were down 12 percent, due primarily to lower production. Although 1976 short grain production was down, the increased August 1 carryin was offsetting and January 1 stocks were almost unchanged.

Rice carryover by class January 1, 1976 and 1977

Class	Rough		Milled ¹		Total	
	1976	1977	1976	1977	1976	1977
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
Long	40,626	54,987	3,807	3,762	44,433	58,749
Medium ..	40,563	36,174	2,407	1,549	42,970	37,723
Short	9,778	9,115	274	856	10,052	9,971
Total ...	90,967	100,276	6,488	6,167	97,455	106,443

¹ Rough equivalent.

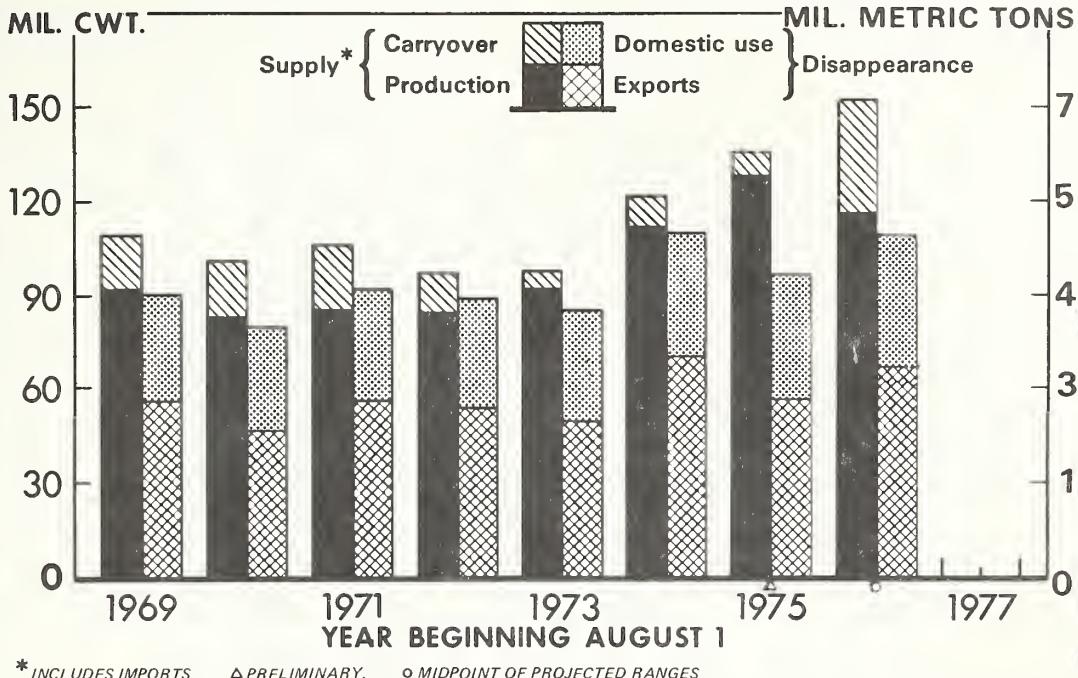
About four-fifths of rough rice stocks (79.1 million cwt.) were stored off-farm (table 10). Farm stocks of 21.1 million cwt. were 14 percent lower than last year. Combined farm stocks for Arkansas and Mississippi showed a 30-percent increase, but total farm stocks in California, Louisiana, and Texas declined 38 percent from a year earlier.

August-December disappearance of 47.5 million cwt. was 26 percent above a year ago. Exports

Rough rice: U.S. supply by class, August 1, 1975 and 1976

Item	1975				1976			
	Long	Medium	Short	Total	Long	Medium	Short	Total
	1,000 cwt.							
Carryover	2,376	2,707	1,974	7,057	16,185	16,971	3,721	36,877
Production	63,059	52,202	12,711	127,972	70,051	37,650	9,318	117,019
Total supply	65,435	54,909	14,685	135,029	86,236	54,621	13,039	153,896

ROUGH RICE SUPPLY AND DISAPPEARANCE



USDA

NEG. ERS 2119-77 (3)

totaled 28.5 million cwt. (rough equivalent), a notable 49 percent above 1975's pace, with domestic use showing little change. Long and medium grain rice accounted for 94 percent of the total August-December disappearance while short grain use was off over one-third.

Domestic Use May Climb

Domestic food use is estimated to increase 6 percent from the 27.7 million cwt. in 1975/76. Appar-

ent food use during August-December declined sharply (table 3). However, the abnormally large statistical discrepancy for rough rice (table 2) suggests that the decline in civilian food use may be overstated. Brewer's use is expected to rise about a tenth to 10 million cwt. as brewer's rice continues to be priced favorably to corn grits (table 15). This relative price change appears to be inducing some brewers to substitute rice for corn in their formulations.

U.S. Rice Exports Well Ahead of Last Year

During August-December 1976, United States rice exports totaled 28.5 million cwt. (rough basis), almost 50 percent ahead of last year's export pace. Commercial sales accounted for 47 percent of the outgo and P.L. 480 shipments accounted for a brisk 53 percent. In contrast to earlier years, more P.L. 480 activity was programmed during the early part of the year.

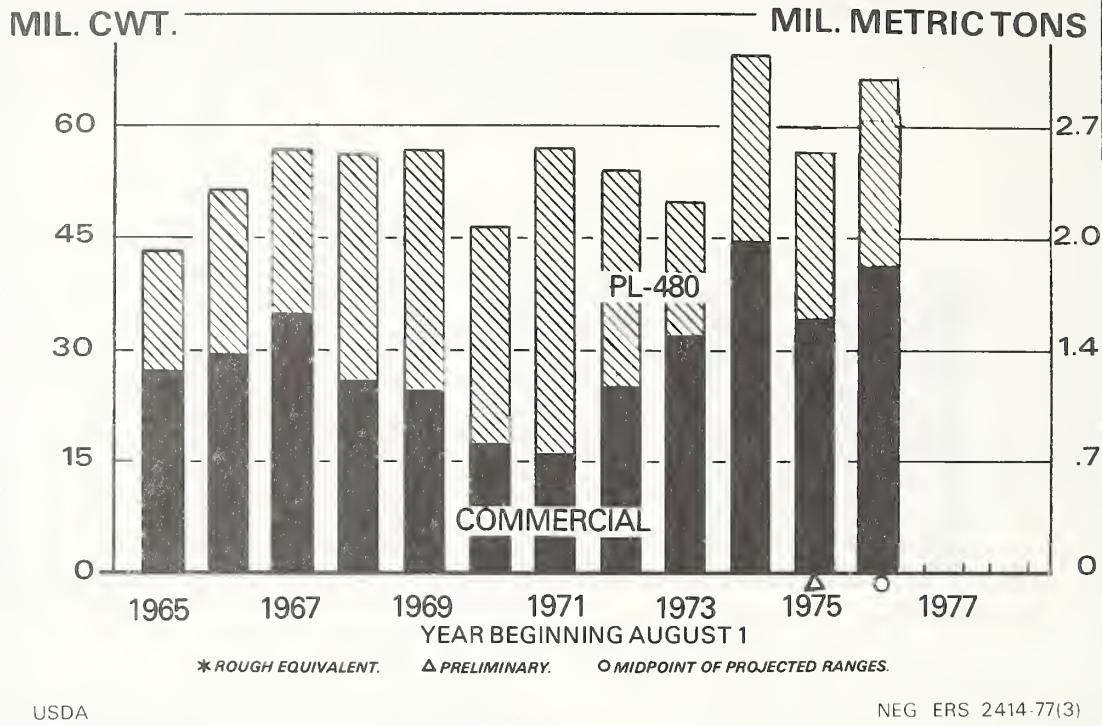
As of March 6, U.S. rice export commitments (exports plus outstanding sales) totaled 50.1 million cwt. (rough equivalent), or 76 percent of the U.S. export estimate for 1976/77. It appears that exports for the 1976/77 season will be the second largest

Rice, rough equivalent: U.S. supply and disappearance, August-December 1975 and 1976

Item	1975	1976
	Million cwt.	Million cwt.
Carryover	7.1	36.9
Production	128.0	117.0
Total supply	135.1	153.9
Domestic use ¹	18.5	19.0
Exports	19.1	28.5
Total disappearance	37.6	47.5
January 1, stocks	97.5	106.4

¹ Residual.

U. S. RICE EXPORTS BY TYPE OF SALE *



on record, totaling 15-20 percent above last season's 56.5 million cwt. (rough equivalent).

Major factors affecting U.S. trade are lower U.S. prices, expanding world demand, and a slowdown of production in major producing countries.¹ The pattern of U.S. sales has substantially changed with the end of the military conflict in Southeast Asia, the emergence of mid-eastern nations as large rice importers, and increased rice production in some Asian importing countries. Thus, exports to Bangladesh and South Korea have tailed off markedly while shipments to Indonesia, Iran, Saudi Arabia, and Nigeria have increased sharply.

Stocks to Rise Again

Despite expected increases in all major use categories, consumption will again fall short of production. Early stocks are expected to fall in a range of 43 to 47 million cwt., up from 36.9 at the end of 1975/76. This is the second consecutive year of stock building.

CCC will hold at least the 19 million cwt. acquired last year. Takeover this year is still uncer-

tain, but will be smaller than last year (see section on Loan Activity).

Prices Low, Some Seasonal Rise

Rice prices are well below last year's, but the gap has narrowed as some seasonal strength has become apparent. In 1975/76, prices generally moved contraseasonally, but this season farm prices climbed in December and January. If this rise continues, the season average farm price will likely average between \$6.60 and \$6.75.

Farm prices for the first five months of the marketing year averaged \$6.55 per cwt. This triggered deficiency payments of \$1.70 per cwt. to growers on

Rough Rice: Mid-month prices received by farmers, 1972-77

Month	1972/73	1973/74	1974/75	1975/76	1976/77
Dollars per cwt.					
August ...	5.34	10.90	10.20	9.83	6.65
September	6.37	13.30	10.90	9.19	6.56
October ..	7.05	14.80	11.30	8.87	6.48
November .	7.42	16.70	11.60	8.59	6.46
December .	7.64	15.50	10.90	8.51	6.57
January ..	7.84	15.80	10.80	7.95	6.79
February .	8.14	16.90	11.30	7.54	¹ 6.74

¹ Preliminary.

¹ See World Rice Situation, page 9.

their allotment production. About 70 percent of the 1976 crop is eligible and payments are expected to be in the neighborhood of \$135 million. This marked the first time that deficiency payments have been made since the concept of target prices was introduced by the Agriculture and Consumer Protection Act of 1973. Rice, of course, is covered by the Rice Production Act of 1975. For a discussion of program provisions, see the *Rice Situation*, RS-27, March 1976.

Loan Activity Brisk

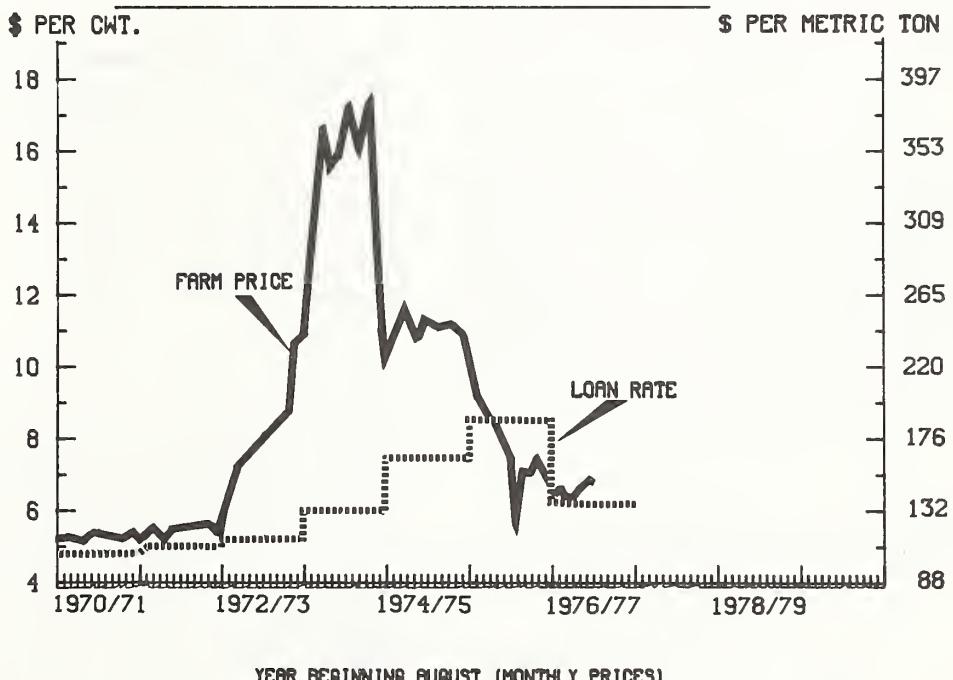
With farm prices ranging close to loan rates, farmers have continued their use of the price support program. Total 1976 loan placements through February 28 were nearly equal to last year, but this year's redemptions are up and net loan activity totaled 11.8 million cwt. compared to 16.8 last year. An extension of the loan maturity date to June 30, 1977, was announced by USDA on March 17. The extension will not be automatic but will require the producer to sign an extension agreement. The availability date for placements is still March 31. Although only a moderate price rise is expected

during the remainder of the season, it appears that the CCC takeover may be small if redemptions remain brisk through the extended period. Outstanding loans as of February 28 show that 47 percent is long grain, 48 percent medium, and 5 percent short grain rice.

Retail Prices Continue to Slide

Retail prices of long grain rice in October-December averaged 41.3 cents per pound and were more than ten cents below the peak in the spring of 1974 (table 14). The decline stems mostly from the drop in farm prices of rice as the net farm value of a pound of milled rice fell to 9.4 cents in October-December from 12.4 cents a year earlier and the record high of 24.2 in January-March 1974. The farmer's share of the retail price in 1976 was fairly stable at just under a fourth. This was well below both the historical share of about a third and the recent high which topped 50 percent in 1973. Before the 1973 price rise, the net farm value generally averaged between 7 and 8 cents. The farm-retail spread averaged 31.9 cents in October-December 1976, compared to 33.7 cents a year earlier and 34.2 cents in January-March 1976.

ROUGH RICE FARM PRICES AND LOAN RATES



USDA

NE8.ERS 408-77(3)

Rice, long grain: Prices, value and farmer's share of retail price, by quarters, 1967-76

Year	Retail Price				Net Farm values ¹				Farm-retail spread				Farmer's share			
	Jan.- Mar.	Apr.- June	July- Sept.	Oct.- Dec.	Jan.- Mar.	Apr.- June	July Sept.	Oct.- Dec.	Jan.- Mar.	Apr.- June	July Sept.	Oct.- Dec.	Jan.- Mar.	Apr.- June	July Sept.	Oct.- Dec.
	<i>Cents per lb.</i>				<i>Cents per lb.</i>				<i>Cents per lb.</i>				<i>Percent</i>			
1967	21.8	21.9	21.9	22.0	7.5	7.5	7.0	7.4	14.3	14.4	14.9	14.6	34	34	32	34
1968	22.0	22.1	22.1	22.1	7.7	7.8	7.4	7.3	14.3	14.3	14.7	14.8	35	35	33	33
1969	22.3	22.4	22.5	22.6	6.9	7.0	6.7	7.2	15.4	15.4	15.8	15.4	31	31	30	32
1970	22.9	23.2	23.1	23.3	7.2	7.3	7.2	7.4	15.7	15.9	15.9	15.9	31	31	31	32
1971	23.6	23.8	24.0	24.0	7.8	7.7	7.7	7.7	15.8	16.1	16.3	16.3	33	32	32	32
1972	24.1	24.0	23.9	24.0	8.1	8.0	8.2	10.6	16.0	16.0	15.7	13.4	34	33	34	44
1973	25.2	26.7	28.2	42.9	11.6	12.3	15.1	22.7	13.6	14.4	13.1	20.2	46	46	54	53
1974	51.5	53.2	52.8	49.0	24.2	22.3	16.9	15.4	27.3	30.9	35.9	33.6	47	42	32	31
1975	47.4	47.4	47.4	46.1	16.1	16.1	14.4	12.4	31.3	31.3	33.0	33.7	34	34	30	27
1976	44.7	44.0	43.1	41.3	10.5	10.5	9.9	9.4	34.2	33.5	33.2	31.9	23	24	23	23

¹ Payments to farmers for equivalent quantities of rough rice (gross farm value) minus imputed value of by-products obtained in processing.

Source: National Economic Analysis Division, ERS.

OUTLOOK FOR 1977/78

1977 Program Provisions

The 1977/78 marketing year will conclude the 2-year authority of the 1975 Rice Act. The major provisions of the program are virtually unchanged from 1976 including permitting substitution of alternative crops to preserve rice allotment history and to retain eligibility for deficiency payments if applicable. A preliminary announcement was made last December that there would be no set-aside requirement in 1977. A final determination on set-aside must be announced by April 1.

Producers Intend to Cut 1977 Plantings

As of January 1, growers indicated they would plant 2.3 million acres in 1977, 8 percent below last year. These intentions reflect their response to lower rice prices, particularly in relation to alternative crops. All States showed reductions with Louisiana and Mississippi the greatest. At the time of the survey, California growers indicated a 5-percent cutback. But with the drought-induced water shortage and cutback in available water supplies for irrigation, acreage will be further reduced.

Rice prices compared with soybeans and cotton¹

Item	1973	1974	1975	1976	1977
<i>Percent</i>					
Soybean/rice	112	60	84	99	173
Cotton/rice	280	308	288	686	955

¹ Based on mid-February farm price per cwt.

January planting indications by class showed declines of 8 percent for long grain, 10 percent for medium, and 1 percent for short. Further planting reductions in California would affect medium and short grain acreage.

Agricultural Supply and Demand Estimates released on March 22 include balance sheets for rice based on two weather alternatives. Both rice

Rough rice, supply and disappearance: 1977/78 projections

Item	Alternative I	Alternative II
	Million cwt.	Million cwt.
Beginning stocks	45.0	45.0
Production	100.8	97.4
Total Supply	145.8	142.4
Domestic	44.1	44.1
Exports	63.2	67.3
Total disappearance	107.3	111.4
Ending stocks	38.5	31.0

alternatives take into account the drought in California and its effect on total acreage and average yields. Alternative I assumes generally favorable weather in the United States and the rest of the world. Alternative II assumes unfavorable weather in both the United States and the rest of the world. Thus, lower production under Alternative II would be coupled with higher exports. Domestic use would continue to climb under either alternative. Stocks would be expected to decline under either scenario although they would be substantially lower under Alternative II.

Since the California drought has been recognized in both alternatives and rice is an irrigated crop, variations in the crop are likely to be small

once it has been planted. Therefore, U.S. rice production is more likely to approach that assumed in Alternative I.

WORLD RICE SITUATION¹

1976 World Crop Down 2 Percent from Last Year's Record²

The 1976 world rice crop is projected at 344 million tons, which is down 2 percent from last year's record harvest due to a short monsoon season in Asia, but still the second largest harvest on record. This marks the first downturn in world rice production since the 4-percent decline in 1972-73. While the important rice producers—the People's Republic of China (PRC), Brazil, India, Japan, Pakistan, and Thailand—had smaller crops, these losses were somewhat mitigated by larger crops in Bangladesh, Burma, South Korea, and Australia (see table 21).

Rice Situation in Major Countries

India's poor fall monsoon, which ended three weeks earlier than usual, combined with pest infestation, reduced their 1976 estimated rice harvest to 67 million tons, down 10 percent from last year's record crop. It is still the second largest crop on record. India is the world's second leading rice producer, accounting for about a fifth of world production.

Japan's 1976 rice production is estimated at 15 million tons, down 11 percent from last year and about the 1970-74 production average. Abnormally cool weather during the growing season, unusual incidences of diseases, and a late season typhoon damaged the crop. Although production will fall short of consumption by around 400,000 tons, the deficit can be made up from stocks which totaled 2.8 million tons at the start of the season. Japan has not imported significant quantities of rice for the past decade.

Floods adversely affected *Pakistan's* 1976 rice production which is estimated at less than 4 mil-

lion tons, down 5 percent from last year's record output. Still, Pakistan's rice exports for calendar 1977 are projected at about 725,000 tons compared with 912,000 last year.

Some dry weather left *Thailand's* 1976 rice production a little less than last year's record output of 15 million tons, but 9 percent greater than the 1970-74 production average. With domestic consumption continuing to expand and 1976 exports at 1.9 million tons, Thailand has substantially reduced its stock level. Thus, 1977 exports are projected to be down about 600,000 tons.

Brazil's 1976/77 rice production is projected at 8 million tons, down 8 percent from last year's record production. Plantings had been reduced due to an over-supply situation and unfavorable farm prices. In recent years, Brazil's rice export pattern has been erratic with a low of 3,000 tons in 1975 and a high of 149,000 tons in 1971. With sizable increases in carryover stocks, Brazil's rice supply available for export in 1977 remains large and exports are projected at some 450,000 tons.

Burma's 1976 rice production is projected at a record 9.3 million tons, up 1 percent over last year and 13 percent above the 1970-74 production average. Reports indicate that heavy rain during early January caused widespread damage to harvested paddy, particularly in the South. Burmese rice exports for calendar year 1977 are projected at about 600,000 tons, the same as last year.

Bangladesh's 1976 rice-growing season was excellent, producing a crop of around 19 million tons, up 2 percent over last year's record and 18 percent above the 1970-74 average. Stocks have accumulated even though imports have been reduced. Bangladesh's rice import requirement for calendar 1977 is estimated at 200,000 tons. Calendar 1976 rice imports totaled 250,000 tons, of which 236,000 tons were furnished by P.L. 480.

South Korea's 1976 rice production is projected at a record 7 million tons, up 11 percent over last year and 26 percent above the 1970-74 production average. The increase is attributed mostly to the extended use of high-yielding varieties which now account for about half of the crop. South Korea appears to be nearing self-sufficiency in rice production. In recent years South Korean rice imports have ranged from 200,000 to 600,000 tons, while imports in 1977 are projected at only 100,000 tons.

¹ Based on *Rice Situation and Outlook in Selected Countries*, FR 2-76, December 1976 and *World Grain: Review of 1976/77 Situation and Preliminary Look at 1977/78 Crop Prospects*, FG 3-77, March 22, 1977, Foreign Agricultural Service.

² Rough rice is reported for production but milled is reported for stocks and trade data. 1976/77 rice production represents the crops harvested in the last half of 1976 and early 1977 in the Northern Hemisphere, and the crop harvested early in 1977 in the Southern Hemisphere.

Indonesia's 1976 rice production is projected at 23 million tons, about the same as last year's output but 10 percent over the 1970-74 average. Indonesia has been the world's largest rice importer, and is expected to lead again in 1977 with imports of around 1.5 million tons. These imports will be needed to meet expanding demand and replenish the country's stock level. Indonesia's principal rice suppliers are Thailand and the United States.

Sri Lanka's 1976 rice production is estimated at 1.2 million tons. Calendar 1977 rice imports are estimated at 380,000 tons, down about 60,000 tons from last year. Under barter arrangements, the PRC and Pakistan supply most of Sri Lanka's rice imports. However, this marketing year some U.S. rice has gone to Sri Lanka.

World Rice Trade To Continue at Recent Levels

Calendar 1977 world rice trade is projected at 7.8 million tons, the same level as last year. Burma, Italy, Pakistan, the PRC, and Thailand are

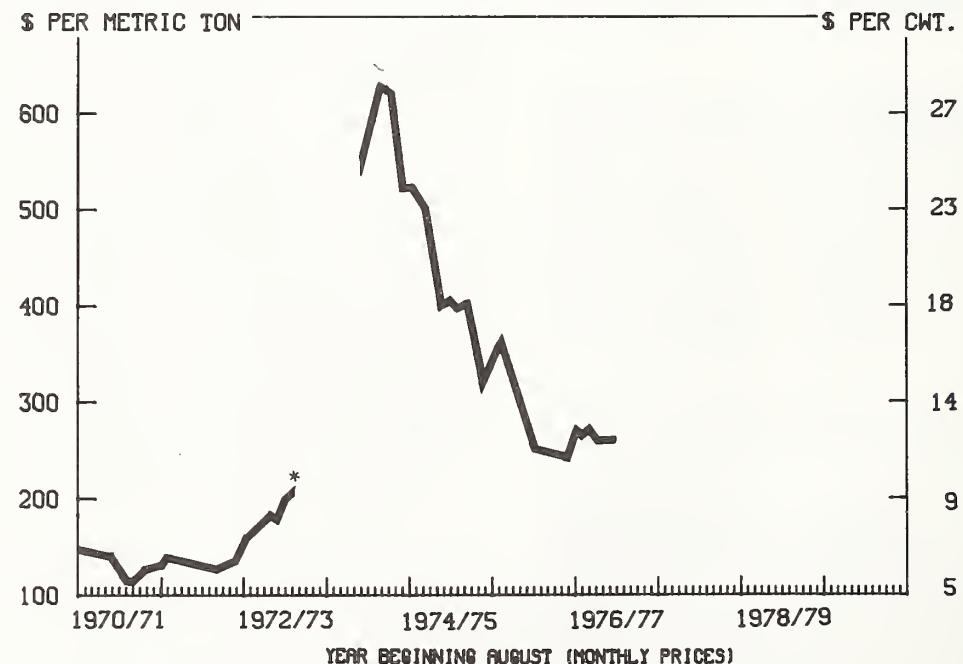
expected to account for about half the expected exports and the United States around 30 percent. Thailand's 1977 rice exports may be down around 40 percent from 1976 and 15 percent below the 1974-76 average. The PRC's rice export level has been declining over the last few years; projected 1977 exports are down 10 percent from 1976, and 40 percent below the 1974-76 average. The U.S. share of trade is expected to be up moderately, while the other principal exporters' share will be down about a tenth.

World Rice Stocks Down³

World ending stocks for 1976/77 are projected at 16 million tons, down 7 percent from last year. Ending stocks are likely to be up for the United States, Bangladesh, India, Japan and Indonesia, but down for Australia, Thailand and Pakistan.

³ Includes major producing countries, except Burma and the PRC. Data based on an aggregate of differing local marketing years and should not be construed as representing world stock levels at a fixed point in time.

MILLED RICE: EXPORT PRICES AT THAILAND, WHITE 5% BROKENS, F.O.B. BANGKOK



USDA

NEB.ERS 91-A-77 (03)

World Rice Prices Down

International rice prices have continued their decline of the past 2 seasons. Last fall, Thai prices (Bangkok, milled, 5 percent broken) moved up about 10 percent to \$270 a metric ton in October (table 20). This rise was due to strengthening world prices, higher export duties, and the reimposition of their stockpile system by which exporters had to deliver rice to the Government equal to a percentage of their exports. But later at harvest, prices had dropped to earlier levels. In late February, the Thai price increased \$13 a ton to \$267, which could reflect the fact that half of their available supply for export has been committed.

United States No. 2 long grain, f.o.b. Houston, in December 1976 averaged 27 percent lower than in December 1975. Unlike Thai prices last fall, U.S. prices have declined almost continuously and the differential between Thai and U.S. prices has narrowed substantially.

Rice export prices for Thailand and the United States

Year and months	Bangkok, f.o.b. white 5% broken	U.S. No. 2 long grain f.o.b. mill Houston
	Dollars per metric ton	Dollars per metric ton
Crop year		
1973/74	583	700
1974/75	423	486
1975/76	287	403
1976		
August	243	342
September	266	320
October	270	325
November	259	326
December	258	311
1977		
January	259	305
February	257	306

Note: This table indicates the direction of U.S. and Thailand rice prices since 1973, but should not be taken to imply that the types of rice specified above are of comparable quality.

Table 2.--Rice, rough basis: Supply and distribution, United States
average 1965-69, annual 1973-75, August-December 1975-76

Item	Year beginning August				August-December	
	Average 1965-69	1973	1974	1975 1/	1975 1/	1976 1/
- - - 1,000 cwt. - - -						
Beginning carryover	6,507	2,939	3,954	4,049	4,049	31,347
Farm production	89,345	92,765	112,394	127,972	127,972	117,019
Supply	95,852	95,704	116,348	132,021	132,021	148,366
Seed	2,813	3,609	4,003	3,400	---	---
Exports (rough only) 2/	159	6	10	10	5	5
Used by mills	82,910	85,440	105,626	95,818	39,503	43,106
Total disappearance	85,882	89,055	109,639	99,228	39,508	43,111
Ending carryover	8,169	3,954	4,049	31,347	90,967	100,276
Statistical discrepancies 3/	+1,801	+2,695	+2,660	+1,446	+1,546	+4,979

1/ Preliminary.

2/ Rough rice exports reported by Bureau of the Census.

3/ Results from loss, waste, the lack of data on other uses, and errors in estimation.

Table 3.--Rice, milled basis: Supply and distribution, United States
average 1965-69, annual 1973-75, August-December 1975-76

Item	Year beginning August				August-December	
	Average 1965-69	1973	1974	1975 1/	1975 1/	1976 1/
- - - 1,000 cwt. - - -						
Beginning carryover	2,162	1,606	2,803	2,164	2,164	3,892
Mill production 2/	60,199	61,589	75,965	67,440	27,506	30,719
Imports	132	117	23	31	8	11
Supply	62,493	63,312	78,791	69,635	29,678	34,622
Food						
Shipments to territories	2,915	2,736	4,319	4,130	1,675	1,929
Used by military	145	162	164	151	100	100
Civilian consumption	14,789	15,891	16,115	15,288	7,141	5,038
Total food	17,849	18,789	20,598	19,569	8,916	7,067
Used by brewers	4,095	5,875	6,015	6,391	2,787	3,151
Exports	38,320	35,845	50,014	39,783	13,409	20,061
Total disappearance	60,264	60,509	76,627	65,743	25,112	30,279
Ending carryover	2,229	2,803	2,164	3,892	4,566	4,343
Per capita civilian consumption (pounds)	7.5	7.6	7.7	7.2	---	---

1/ Preliminary.

2/ Production of heads, second heads, screenings and brewer's rice.

TABLE 4.00-MILLED RICE¹ MARKETING YEAR SUPPLY AND DISAPPEARANCE, 1950-75 1/

YEAR BEGINNING AUG. 1	SUPPLY				DISAPPEARANCE				CAPITA- TION CONSUMP- TION	
	PRODUC- TION	IM- PORTS ²	CIVILIAN CONSUMP- TION	IM- PORTS ²	INDUS- TRIAL USE		TOTAL DISAP- PEARANCE	ENDING STOCKS		
					IM- PORTS ²	IM- PORTS ²				
1,000 CWT.										
1950/51	975	24,775	544	26,294	8,740	128	3,485	12,353	9,036	
1951/52	1,538	31,286	389	31,213	8,060	310	3,610	15,980	3,395	
1952/53	905	31,316	243	32,466	8,330	125	3,602	12,057	3,165	
1953/54	522	31,821	290	32,633	8,370	191	3,256	11,817	3,170	
1954/55	2,448	36,180	45	33,673	8,850	112	3,876	12,038	3,882	
1955/56	12,562	28,289	135	40,986	9,570	169	3,677	13,416	12,056	
1956/57	11,348	35,171	268	44,779	9,675	180	3,871	12,626	3,549	
1957/58	3,967	30,523	164	34,654	9,114	135	3,960	13,209	3,348	
1958/59	5,343	30,436	114	35,895	8,685	183	4,231	13,099	3,278	
1959/60	5,990	34,843	550	41,383	10,796	90	3,630	14,516	3,486	
1960/61	3,052	36,928	203	40,183	11,153	127	2,835	14,115	3,482	
1961/62	1,943	39,686	274	41,905	13,426	160	2,551	16,137	3,361	
1962/63	1,572	43,275	27	44,874	12,208	117	2,970	15,295	2,911	
1963/64	1,478	49,146	13	50,637	13,248	112	2,798	16,188	2,767	
1964/65	1,692	51,041	338	53,071	14,518	154	2,820	17,492	3,095	
1965/66	1,995	50,942	462	53,419	14,068	82	2,752	16,902	3,391	
1966/67	1,991	58,382	6	60,379	14,571	100	2,764	17,435	3,828	
1967/68	1,684	64,080	5	65,769	15,431	148	2,605	16,184	3,952	
1968/69	2,418	65,240	8	67,666	16,448	150	3,120	19,728	4,215	
1969/70	2,723	62,349	159	65,231	13,427	243	3,324	16,994	5,089	
1970/71	2,328	56,870	1,064	60,262	15,557	227	2,650	18,414	5,000	
1971/72	2,752	64,148	803	67,703	14,452	183	3,962	18,597	5,407	
1972/73	2,196	62,325	381	64,902	14,506	151	3,630	16,287	4,424	
1973/74	1,606	61,589	117	63,312	15,891	162	2,736	18,789	5,875	
1974/75	2,803	75,965	23	78,791	16,115	164	4,319	20,598	6,015	
1975/76 3/	2,164	67,440	31	69,655	15,288	151	4,130	19,569	6,391	

1/ INCLUDES SUPPLY AND DISAPPEARANCE OF MILLED RICE ONLY. 2/ BASED ON BUREAU OF CENSUS REPORTS. ESTIMATES FOR 1968, 1969, AND 1970 ADJUSTED BY ASCS DATA, BASED ON BILLS OF LADING SUBMITTED TO THE USDA FOR EXPORT PAYMENTS. 3/ PRELIMINARY.

TABLE 5. ROUGH RICE AND MILLED RICE (ROUGH EQUIVALENT)* MARKETING YEAR SUPPLY AND DISAPPEARANCE, 1950-75 1/

YEAR BEGINNING AUG. 1	SUPPLY			DISAPPEARANCE		
	DOMESTIC USE			TOTAL		
	IMPORTS	EXPORTS	DOMESTIC USE	INDUSTRY	SEED	USE
FOOD						
1950/51	3.5	58.8	0.8	43.1	12.6	0.2
1951/52	4.5	46.1	0.5	51.1	11.2	0.5
1952/53	2.0	44.2	0.3	50.6	11.8	0.3
1953/54	1.5	52.8	0.4	54.8	12.0	0.2
1954/55	7.5	64.2	0.1	71.8	12.8	0.1
1955/56	26.7	55.9	0.2	82.6	13.8	0.2
1956/57	34.6	49.5	0.4	84.5	13.8	0.1
1957/58	20.0	42.9	0.2	63.1	13.0	0.2
1958/59	18.2	44.8	0.2	63.1	12.5	0.3
1959/60	15.7	53.6	0.8	70.1	15.4	0.1
1960/61	12.1	54.6	0.3	67.0	15.7	0.2
1961/62	10.1	54.2	0.4	64.7	18.8	0.2
1962/63	15.3	66.0	4/	71.4	17.1	0.2
1963/64	7.7	70.3	4/	78.0	18.4	0.2
1964/65	7.5	71.2	0.5	81.2	20.2	0.2
1965/66	7.7	76.3	0.7	84.6	19.5	0.1
1966/67	8.2	85.0	4/	93.3	20.0	0.1
1967/68	8.5	89.4	4/	97.9	21.2	0.2
1968/69	6.8	104.1	4/	110.9	22.5	0.2
1969/70	16.2	91.9	0.2	108.3	18.6	0.3
1970/71	16.4	83.8	1.4	101.7	21.2	0.3
1971/72	18.6	65.8	1.1	105.5	19.8	0.3
1972/73	11.4	85.4	0.5	97.4	19.9	0.2
1973/74	5.1	92.8	0.2	98.1	22.0	0.2
1974/75	7.8	112.4	4/	120.3	22.4	0.2
1975/76 5/	7.1	128.0	4/	135.1	21.6	0.2
					5.9	27.7
					9.1	3.4
					40.2	56.5
					96.7	1.5
						36.9
MILLION CWT.						

1/ CONSOLIDATED SUPPLY AND DISAPPEARANCE OF ROUGH AND MILLED RICE. CONVERTED MILLED RICE DATA TO A ROUGH RICE BASIS USING ANNUALLY DERIVED EXTRAPOLATION RATES AS FACTORS. 2/ BASED ON BUREAU OF CENSUS REPORTS. ESTIMATES FOR 1968, 1969, AND 1970 ADJUSTED BY ASCS DATA, BASED ON BILLS OF LADING SUBMITTED TO THE USDA FOR EXPORT PAYMENTS. 3/ RESULTS FROM STORAGE AND HANDLING LOSSES, AND INACCURATE DATA ON ROUGH RICE. IN ORDER TO PROVIDE DATA UNIFORMITY AND COMPARABILITY, THE YEARS 1950 THROUGH 1959 HAVE BEEN ADJUSTED TO INCLUDE A ROUGH RICE FEED USE ESTIMATE THAT WAS ABANDONED BEGINNING IN 1960. 4/ LESS THAN 50,000 CWT. 5/ PRELIMINARY. *TOTALS MAY NOT ADD DUE TO INDEPENDENT ROUNDING.

Table 6 .--Rice, rough equivalent: CCC operations and privately held stocks, 1965-76

Crop of-	Placed under price support			Deliv- ered 1/	Total to CCC 1/	At year end July 31			Private- ly held ("Free") stocks 3/
	Direct Loans	Loans purchases	Total			carry- over 2/	Stocks owned by CCC 2/	Under loan 2/	
						CCC stocks and loans outstanding			
						1,000 cwt.			
1965	9,813	184	9,997	403	8,239	614	7	621	7,618
1966	14,362	5	14,367	119	8,511	140	92	232	8,279
1967	16,352	2	16,354	39	6,784	82	4	86	6,698
1968	23,640	640	24,280	6,320	16,211	6,087	238	6,325	9,886
1969	22,671	1,841	24,512	2,993	16,446	6,407	10	6,417	10,029
1970	20,787	733	21,520	3,528	18,634	9,329	138	9,467	9,167
1971	31,235	107	31,342	1,214	11,434	2,720	27	2,747	8,687
1972	22,926	---	22,926	1	5,139	148	---	148	4,991
1973	19,146	---	19,146	---	7,842	---	---	---	7,842
1974	9,256	---	9,256	---	7,057	---	4	4	7,053
1975 4/	21,477	1,781	23,258	19,187	36,877	19,187	---	19,187	17,690
1976 5/	17,046	---	17,046						

1/ Includes purchase agreements through 1963 marketing year and direct purchases thereafter.

2/ May include small quantities of new-crop rice in last few years.

3/ Derived by subtracting CCC stocks and loans outstanding from total carryover.

4/ Crop year 1975 based on operating reports, prior years based on fiscal reports.

5/ Through February.

Table 7.--Rice, rough: Acreage, yield and production, by States, 1975 and 1976

State	Acreage			Yield per harvested acre	Production
	Planted	Harvested			
	1975	1976	1/		
	1975	1976	1/	1975	1976
	1,000 acres			1,000 cwt.	
Southern States:					
Missouri	18.0	14.0	18.0	14.0	4,210
Mississippi	175.0	145.0	171.0	144.0	3,900
Arkansas	885.0	850.0	882.0	847.0	4,540
Louisiana	660.0	570.0	658.0	568.0	3,810
Texas	550.0	510.0	548.0	508.0	4,560
Total Southern	2,288.0	2,089.0	2,277.0	2,081.0	4,284
California	530.0	421.0	525.0	420.0	5,800
Total United States 2/	2,818.0	2,510.0	2,802.0	2,501.0	4,567
					4,679
					127,972
					117,019

1/ Preliminary.

2/ Total U.S. acreage and production reported by the Statistical Reporting Service. Excludes acreage and production in the minor Southern States.

Table 8.--Rice: Acreage allotments, by States, 1973-77

States	Apportionment				1976-77	
	1973	1974	1975	1976-77		
	1973	1974	1975	1976-77		
<u>Acres</u>						
Southern States:						
Missouri	6,397	6,046	5,191	5,185		
Mississippi	62,748	59,310	50,903	50,674		
Arkansas	536,430	507,047	434,963	434,630		
Louisiana	638,586	603,606	505,267	517,789		
Texas	567,745	536,645	460,642	460,138		
Total Southern	1,811,906	1,712,654	1,456,966	1,468,416		
California						
	402,995	380,921	326,491	326,518		
Total Major	2,214,901	2,093,575	1,783,457	1,794,934		
Minor States:						
Arizona	307	291	3	3		
Florida	1,286	1,216	1,013	1,002		
Illinois	26	26	---	---		
North Carolina	52	48	40	41		
South Carolina	3,827	3,617	3,012	3,009		
Oklahoma	201	189	158	163		
Tennessee	696	657	564	563		
Total Minor	6,395	6,044	4,790	4,781		
Unapportioned						
National Reserve	822	381	93	285		
United States	2,222,118	2,100,000	1,788,340	1,800,000		

Agriculture Stabilization and Conservation Service.

Table 9.--Rice: Percent of production by class,
and States, 1973-76

Class and State	1973	1974	1975	1976
All Classes				
Long grain	47.2	53.4	49.3	59.8
Medium grain	42.4	36.7	40.8	32.2
Short grain	10.4	9.9	9.9	8.0
Total United States	100.0	100.0	100.0	100.0
Long Grain				
Arkansas	41.3	42.0	45.7	46.4
Louisiana	12.7	13.6	9.5	11.5
Mississippi	5.9	7.4	10.4	8.6
Texas	39.7	36.4	33.5	33.0
Minor States	.4	.6	.9	.5
California	---	---	---	---
Total	100.0	100.0	100.0	100.0
Medium Grain				
Arkansas	17.7	16.9	17.9	17.8
Louisiana	40.2	38.6	36.5	37.6
Mississippi	.2	.1	.1	.1
Texas	7.9	8.2	7.5	3.6
Minor States	.2	.5	.3	.6
California	33.8	35.7	37.7	40.3
Total	100.0	100.0	100.0	100.0
Short Grain				
Arkansas	3.9	6.3	14.7	11.9
Minor States	---	.2	.5	---
California	96.1	93.5	84.8	88.1
Total	100.0	100.0	100.0	100.0

Source: Annual production reports from SRS annual Crop Summary.

Table 10.--Rice: Stocks, rough and milled, United States, for selected dates, 1973-77 1/

Year	Rough						Milled											
	On farms	At mills	In warehouses	In ports	Total	At mills	In warehouses	In ports	Total	and in farm	attached	(not attached)	or in transit	all positions	warehouses	attached	attached	warehouses to mills)
	- - - - 1,000 cwt. - - - -												- - - - 1,000 cwt. - - - -					
:																		
January 1												January 1						
1973	4,714	13,703	30,427	---	48,844	1,787	426	2,086	4,299									
1974	7,732	13,651	30,783	1	52,167	2,650	127	1,117	3,894									
1975 2/	13,619	15,177	39,769	160	68,725	2,959	634	699	4,292									
1976 2/	24,634	14,597	51,736	0	90,967	2,259	1,522	785	4,566									
1977 2/	21,134	16,830	61,263	1,049	100,276	2,971	261	1,111	4,343									
:												:						
April 1												April 1						
1973	1,476	9,142	13,638	11	24,267	3,479	52	1,354	4,885									
1974	1,537	10,048	15,113	14	26,712	2,459	12	2,783	5,254									
1975 2/	2,919	10,579	20,823	24	34,345	2,961	22	1,286	4,269									
1976 2/	12,767	11,717	38,697	67	63,248	3,232	245	1,626	5,103									
:												:						
August 1												August 1						
1973	94	1,931	914	---	2,939	1,389	21	196	1,606									
1974	77	2,589	1,278	10	3,954	2,258	22	523	2,803									
1975 2/	62	1,455	2,462	70	4,049	1,589	58	517	2,164									
1976 2/	659	5,850	24,829	9	31,347	2,380	271	1,241	3,892									

1/ These estimates do not include stocks located in States outside the major producing States of Missouri, Mississippi, Arkansas, Louisiana, Texas, and California.

2/ Preliminary.

Table 11.--Rice, rough: Price support activity by states, 1976 crop as of February 28, 1977

State	Placed under loan			Loans redeemed	Loans outstanding
	Farms	Warehouses	Total		
	- - - - 1,000 cwt. - - - -				
Arkansas	1,114	199	1,313	338	975
Louisiana	1,031	877	1,908	641	1,267
Texas	866	6,472	7,338	4,100	3,238
Mississippi	974	81	1,055	185	870
Missouri	---	4	4	---	4
South	3,985	7,633	11,618	5,264	6,354
California	127	5,301	5,428	14	5,414
United States	4,112	12,934	17,046	5,278	11,768

Source: Agriculture Stabilization and Conservation Service, USDA.

Table 12.--Rice: Rough milled and heads produced by class and State, 1968-75

Year beginning August	Rough rice milled					Year beginning August	Milled heads produced 1/				
	Long grain	Medium grain	Short grain	Total 2/			Long grain	Medium grain	Short grain	Total 2/	
	1,000 cwt.						1,000 cwt.				
Arkansas 3/										Arkansas 3/	
1968	16,100.6	6,221.7	312.0	22,634.3	1968	9,395.6	3,853.0	196.7	13,445.3		
1969	16,781.4	7,030.8	331.0	24,149.2	1969	10,460.7	4,620.4	201.5	15,282.6		
1970	13,926.5	5,081.3	192.1	19,199.9	1970	8,716.3	3,358.4	112.2	12,186.9		
1971	20,502.7	4,609.6	469.5	25,581.8	1971	12,656.7	3,214.0	117.1	15,987.8		
1972	17,428.9	5,570.7	148.1	23,147.7	1972	10,522.8	3,560.4	91.4	14,174.6		
1973	14,660.5	6,818.2	183.9	21,662.6	1973	9,007.8	4,438.1	113.9	13,559.8		
1974	23,939.4	7,336.6	372.7	31,648.7	1974	13,317.8	4,575.1	167.4	18,060.3		
1975	23,460.0	7,645.3	1,027.7	32,133.0	1975	13,506.9	4,490.1	642.3	18,639.3		
Louisiana										Louisiana	
1968	6,159.9	15,985.3	---	22,145.2	1968	3,397.8	9,708.3	---	13,106.1		
1969	5,630.0	13,337.4	---	18,967.4	1969	2,924.4	7,799.8	---	10,724.2		
1970	4,292.2	14,031.9	---	18,324.1	1970	2,415.1	8,717.1	---	11,132.2		
1971	5,312.9	11,275.7	---	16,588.6	1971	2,959.8	7,286.6	---	10,246.4		
1972	4,099.5	10,980.4	---	15,079.9	1972	2,183.9	6,727.1	---	8,911.0		
1973	3,363.7	11,717.4	---	15,081.1	1973	1,741.1	6,941.9	---	8,683.0		
1974	7,621.2	13,928.2	---	21,549.4	1974	4,084.6	9,139.7	---	13,224.3		
1975	4,310.5	9,937.8	---	14,248.3	1975	2,436.1	5,996.0	---	8,432.1		
Texas										Texas	
1968	17,854.7	4,669.1	---	22,523.8	1968	10,896.1	2,952.4	---	13,848.5		
1969	21,476.6	4,002.9	---	25,479.5	1969	12,704.1	2,330.5	---	15,034.6		
1970	17,882.1	3,599.2	---	21,481.3	1970	11,134.6	2,385.9	---	13,520.5		
1971	24,157.0	4,257.8	---	28,414.8	1971	14,651.4	3,227.8	---	17,879.2		
1972	21,055.3	5,251.0	---	26,306.3	1972	12,956.8	3,396.2	---	16,353.0		
1973	20,710.8	6,310.9	---	27,021.7	1973	12,764.9	3,801.4	30.9	16,597.2		
1974	26,524.4	2,382.3	---	28,906.7	1974	16,148.2	1,539.4	---	17,687.6		
1975	23,448.8	3,510.4	---	26,959.2	1975	13,923.1	2,266.8	---	16,189.9		
Total South										Total South	
1968	40,115.2	26,876.1	312.0	67,303.3	1968	23,689.6	16,513.7	196.7	40,400.0		
1969	43,888.0	24,377.1	331.0	68,596.1	1969	26,089.2	14,750.7	201.5	41,041.4		
1970	36,100.8	22,712.4	192.1	59,005.3	1970	22,266.0	14,461.4	112.2	36,839.6		
1971	49,972.6	20,143.1	469.5	70,585.2	1971	30,267.9	13,728.4	117.1	44,113.4		
1972	42,583.7	21,802.1	148.1	64,533.9	1972	25,663.5	13,683.7	91.4	39,438.6		
1973	38,735.0	24,846.5	183.9	63,765.4	1973	23,513.8	15,181.4	144.8	38,840.0		
1974	58,085.0	23,647.0	372.7	82,104.8	1974	33,550.6	15,254.2	167.4	48,972.2		
1975	51,219.3	21,093.5	1,027.7	73,340.5	1975	29,866.1	12,752.9	642.3	43,261.3		
California										California	
1968	---	11,834.1	9,949.1	21,783.2	1968	---	9,062.7	6,308.5	15,371.2		
1969	---	10,130.8	7,817.4	17,948.2	1969	---	7,406.1	4,690.8	12,096.9		
1970	---	9,762.7	8,557.6	18,320.3	1970	---	7,132.2	5,561.6	12,693.8		
1971	---	9,311.8	8,027.6	17,339.4	1971	---	6,648.5	4,584.9	11,233.4		
1972	---	12,182.5	8,672.6	20,855.1	1972	---	9,056.7	5,385.0	14,441.7		
1973	---	11,695.8	9,978.6	21,674.4	1973	---	7,769.7	6,080.1	13,849.8		
1974	---	13,842.0	9,679.3	23,521.4	1974	---	9,523.4	6,144.3	15,667.7		
1975	---	14,498.8	7,978.6	22,477.4	1975	---	9,521.1	4,815.1	14,336.2		
Total United States										Total United States	
1968	40,115.2	38,710.2	10,261.1	89,086.4	1968	23,689.6	25,576.4	6,505.2	55,771.2		
1969	43,888.0	34,507.9	8,148.4	86,544.3	1969	26,089.2	22,156.8	4,892.3	53,138.3		
1970	36,100.8	32,475.1	8,749.7	77,325.6	1970	22,266.0	21,593.6	5,673.8	49,533.4		
1971	49,972.6	29,454.9	8,497.1	87,924.6	1971	30,267.9	20,376.9	4,702.0	55,346.8		
1972	42,583.7	33,984.6	8,820.7	85,389.0	1972	25,663.5	22,740.4	5,476.4	53,880.3		
1973	38,735.0	36,542.3	10,162.5	85,439.8	1973	23,513.8	22,951.1	6,224.9	53,689.8		
1974	58,085.0	37,489.0	10,052.0	105,626.1	1974	33,550.6	24,777.6	6,311.7	64,639.9		
1975	51,219.3	35,592.3	9,006.3	95,817.9	1975	29,866.1	22,274.0	5,457.4	57,597.5		

1/ Includes brown rice.

2/ Total may not add due to rounding.

3/ Mills at Memphis, Tennessee, and Cleveland, Mississippi, are included in Arkansas.

Data compiled from reports of the Rice Millers' Association and the California Market News Service.

Table 13.--Rice, rough: Price per 100 pounds received by farmers, by States and United States, 1972-77

1/ State and U.S. season average prices include an allowance for unredeemed loans and purchases by the Government, valued at the average loan rate, by States. Monthly prices do not include this allowance.

2/ Insufficient sales.

3/ Preliminary.

4/ California is excluded in the monthly averages but is included in the U.S. season average.

N.A.-Not Available. Statistical Reporting Service discontinued reporting monthly rice prices by State.

Table 14.--Rice: Retail prices in leading cities of the United States,
August-July, 1967-77

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Simple average
- - - - Dollars per pound - - - -													
Long grain													
:													
1967	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
1968	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
1969	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23
1970	.23	.23	.23	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
1971	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
1972	.24	.24	.24	.24	.25	.25	.26	.26	.27	.27	.28	.28	.25
1973	.28	.30	.34	.46	.49	.50	.52	.52	.53	.53	.54	.53	.46
1974	.53	.52	.51	.49	.48	.47	.47	.48	.47	.47	.47	.47	.49
1975	.47	.47	.46	.46	.46	.45	.45	.44	.44	.44	.44	.44	.45
1976	.43	.42	.42	.41	.41	.41	.40						
Short grain													
:													
1967	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19
1968	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19
1969	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19
1970	.19	.19	.19	.19	.19	.19	.20	.20	.20	.20	.20	.20	.20
1971	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20
1972	.20	.20	.20	.20	.20	.21	.22	.23	.23	.24	.24	.24	.21
1973	.24	.25	.28	.37	.41	.42	.43	.44	.45	.45	.45	.45	.39
1974	.44	.45	.44	.42	.42	.41	.42	.41	.41	.41	.41	.40	.42
1975	.41	.41	.41	.41	.41	.40	.38	.38	.38	.38	.38	.38	.39
1976	.37	.37	.37	.37	.36	.36	.35						

Compiled from reports of Bureau of Labor Statistics, Department of Labor.

Table 15.--Prices: Arkansas brewers rice and New York brewers corn grits,
August-July 1974-77

Month	Arkansas brewers rice			New York brewers corn grits		
	1974/75	1975/76	1976/77	1974/75	1975/76	1976/77
	- - - - Dollars per cwt. - - - -					
August	8.50	7.10	5.75	9.40	9.88	8.97
September	9.10	7.40	5.75	9.28	9.77	8.91
October	9.50	7.50	5.75	10.41	8.77	8.28
November	9.50	6.60	5.75	9.42	8.28	7.62
December	9.50	6.20	5.70	9.48	8.17	7.80
January	11.25	6.25	5.40	9.17	7.94	7.80
February	9.95	5.75	5.10	8.87	8.04	7.92
March	9.40	5.80		8.64		8.46
April	9.00	5.80		8.69		8.76
May	8.75	5.85		8.49		8.95
June	8.00	5.85		9.06		9.14
July	7.35	5.75		9.23		9.20
August-July average	9.15	6.30		9.18		8.78

Source: Rice Market News and Milling and Baking News.

Table 16.--Rice, milled U.S. No. 2 f.o.b. mills: Average price of Texas and Arkansas head rice at milling centers, by months, 1973-77

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average
Houston, Texas, Long Grain													
-- Dollars per cwt. bagged --													
1973	20.20	28.80	32.20	34.50	33.85	33.10	34.25	33.25	33.40	33.25	32.60	31.50	31.75
1974	22.50	21.00	20.90	22.40	21.75	22.50	22.40	22.25	22.25	22.25	22.25	22.25	22.05
1975	21.40	20.50	19.25	19.25	19.25	18.30	18.00	17.10	17.00	17.00	16.60	16.40	18.35
1976 1/	15.50	14.50	14.75	14.80	14.10	13.85	13.90						
Houston, Texas, Medium Grain 2/													
1973	16.80	23.30	26.10	30.25	30.20	29.10	29.50	29.00	29.00	28.60	28.50	28.50	27.40
1974	22.00	20.20	18.75	20.05	20.00	20.25	19.75	19.50	19.50	19.50	19.50	19.50	19.90
1975	19.75	19.80	18.25	18.25	18.25	17.55	16.60	16.30	16.00	16.00	16.00	15.50	17.35
1976 1/	14.60	14.10	14.00	14.00	13.10	13.00	13.00						
Arkansas, Long Grain													
1973	19.75	25.60	30.10	33.00	33.00	33.60	34.50	34.25	34.00	32.50	30.60	29.00	30.80
1974	25.90	22.40	21.90	23.00	23.00	22.75	22.10	22.50	21.55	21.25	21.25	21.25	22.40
1975	20.90	20.05	19.50	18.50	18.25	18.00	17.70	17.10	16.50	17.00	17.00	16.75	18.10
1976 1/	16.00	15.25	15.20	15.20	14.50	14.00	14.00						
Arkansas, Medium Grain 2/													
1973	16.20	19.50	25.00	28.50	28.50	28.70	29.00	29.50	30.00	29.00	28.75	27.50	26.70
1974	25.40	20.80	20.75	21.50	21.50	21.40	21.00	21.00	20.45	20.20	20.00	20.00	21.15
1975	20.00	19.20	18.45	17.50	17.00	17.00	16.70	16.10	15.75	16.00	16.00	15.75	17.10
1976 1/	15.10	14.25	14.20	14.20	13.40	13.40	13.25						

1/ Preliminary. 2/ Mostly Nato.

Agricultural Marketing Service, Grain Division.

Table 17.--Rice, milled U.S. f.o.b. mills: Average price of Louisiana and California head rice at milling centers, by months, 1973-77

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average	
Southwest Louisiana, Long Grain 1/														
1973	20.20	24.90	28.35	33.00	33.50	33.50	33.50	33.50	33.50	33.50	30.00	28.10	30.40	
1974	26.67	20.10	20.19	21.00	22.00	21.50	21.50	21.50	21.50	21.50	20.90	21.50	21.55	
1975	20.55	18.30	18.00	18.00	17.60	17.40	16.50	15.50	15.30	16.60	16.50	16.25	17.20	
1976 2/	14.70	13.85	14.00	13.75	13.60	13.25	13.50							
Southwest Louisiana, Medium Grain 1/														
1973	17.10	19.60	22.65	29.50	29.85	30.00	30.00	30.00	30.00	30.00	25.00	23.00	26.40	
1974	22.00	18.60	19.10	20.00	20.70	20.65	20.75	20.50	20.50	19.00	19.30	19.50	20.05	
1975	18.90	16.80	16.75	17.00	16.70	15.60	14.75	13.50	13.95	15.50	15.50	15.25	15.85	
1976 2/	13.70	12.85	13.00	12.30	11.90	11.25	11.70							
California, Medium Grain 2/														
1973	13.00	16.75	18.50	24.00	27.50	27.50	29.50	29.50	29.50	29.50	29.50	29.50	25.20	
1974	29.50	28.20	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.70	
1975	26.25	26.25	24.25	24.25	24.25	23.50	22.70	19.65	18.70	19.00	19.00	16.80	22.05	
1976 2/	16.80	16.80	16.60	16.60	16.60	16.60	16.60							
California, Short Grain 3/														
1973	13.00	16.75	18.50	22.25	26.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	24.20	
1974	28.00	26.80	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.40	
1975	25.00	25.00	23.00	23.00	23.00	22.25	21.40	17.85	17.15	17.50	17.50	15.15	20.65	
1976 2/	15.15	15.15	14.85	14.75	14.75	14.75	14.75							

1/ U.S. No. 2--brokens not to exceed 4 percent. 2/ Preliminary. 3/ U.S. No. 1.

Table 18.--U.S. milled rice exports by type of sale,
year beginning July, 1963-75

Year beginning July	Commercial	Under Government Programs					Total exports
		Title I 1/		Title II 2/		Aid 3/	
		1,000 metric tons					
1963	713	674	---	30	704	1,417	
1964	725	566	---	1	567	1,292	
1965	925	359	---	91	450	1,375	
1966	953	828	---	-1	827	1,780	
1967	1,104	734	---	25	759	1,863	
1968	748	984	9	6	999	1,747	
1969	844	940	7	3	950	1,794	
1970	602	923	---	152	1,075	1,677	
1971	499	814	248	142	1,204	1,703	
1972	821	964	33	123	1,120	1,941	
1973	972	606	---	6	612	1,584	
1974	1,548	741	6	4/	747	2,295	
1975 prel.	1,097	485	---	5	490	1,587	

1/ Includes local currency, convertible local currency, dollar credit, and private trade.

2/ Includes Government-to-Government, world food, and voluntary relief.

3/ Mutual Security Aid.

4/ Less than 500 metric tons.

Foreign Demand and Competition Division, ERS.

Table 19.--U.S. milled rice exports under Government Programs
by country of destination, 1971-75

Country of destination	Year beginning July					1975 1/
	1971	1972	1973	1974		
	1,000 metric tons					
Guinea	18	---	---	13	7	
Honduras	---	---	---	11	---	
India	96	---	---	---	15	
Indonesia	346	155	---	---	---	
Israel	---	---	---	---	3	
Ivory Coast	2	2/	---	---	---	
Khmer (Cambodia)	---	73	285	217	---	
Korea, Rep. of	402	427	7	208	147	
Liberia	7	---	---	---	---	
Philippines	---	75	---	---	---	
Portugal	---	---	---	---	43	
Syria	---	---	---	14	7	
Tanzania	---	---	---	15	6	
Relief of Dacca (Bangladesh)	---	---	---	269	247	
Vietnam, South	127	382	320	---	---	
Western Africa, N.E.C.	---	---	---	---	2	
Zaire	---	---	---	---	13	
Other	206	8	---	---	---	
Total	1,204	1,120	612	747	490	

1/ Preliminary.

2/ Less than 500 metric tons.

Foreign Demand and Competition Division, ERS.

Table 20.--Rice: Export prices at Thailand by months, white f.o.b. Bangkok, 1973-77 1/

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Simple average	
													Dollars per metric ton	
100% 1st grade														
1973	---	---	---	---	---	---	566.65	595.00	622.50	654.00	650.00	622.50	549.00	608.50
1974	551.25	544.00	527.50	477.50	455.00	422.50	428.75	421.25	425.00	412.50	376.00	362.00	450.25	
1975	382.50	391.00	385.00	358.75	345.00	315.50	277.50	275.00	270.00	270.00	263.60	266.00	316.65	
1976 2/	270.00	295.00	300.00	290.00	290.00	287.25	283.75							
100% 2nd grade														
1973	---	---	---	---	---	---	551.65	580.00	607.50	639.00	635.00	607.50	534.00	593.50
1974	536.25	529.00	513.75	467.50	445.00	412.50	418.75	411.25	415.00	402.50	361.00	347.00	438.30	
1975	367.50	376.00	370.00	343.75	330.00	296.25	261.25	260.00	260.00	260.00	253.60	256.00	302.85	
1976 2/	259.00	280.00	285.00	275.00	275.00	272.25	270.25							
5% brokens														
1973	---	---	---	---	---	---	541.35	575.00	597.50	629.00	625.00	596.25	519.00	583.30
1974	521.25	514.00	498.75	452.50	430.00	397.50	403.75	396.25	400.00	387.50	344.00	327.00	422.70	
1975	347.50	357.80	353.00	330.00	330.00	307.00	274.25	253.00	248.00	246.00	246.00	242.00	243.75	287.40
1976 2/	243.00	265.80	270.00	259.00	258.00	259.25	257.25							

Milled rice, includes export premium, export tax and cost of bags. Packed in bags of 100 kgs. net.

2 / Preliminary.

AMS. Grain Division, from weekly Bulletins of San Francisco Market News.

Table 21.--Rice, rough: Acreage, yield and production in specified countries, average 1970-74, annual 1975 and 1976 1/

CONTINENT AND COUNTRY	1/ AREA		AVE. 1970-74	AVE. 1970-74	YIELD	AVE. 1970-74	PRODUCTION		
	1975	1976					1975	1975	1976
	THOUSANDS	THOUSANDS	THOUSANDS	THOUSANDS	MET TONS	MET TONS	THOUSANDS	THOUSANDS	THOUSANDS
NORTH AMERICA									
COSTA RICA	51	87	42	1,92	1,82	1,60	98	158	67
CUBA	196	200	442	2,31	2,10	.95	440	420	420
DOMINICAN REPUBLIC	71	65	70	2,99	3,63	3,91	214	236	274
EL SALVADOR	12	17	14	3,73	3,65	2,50	44	62	35
GUATEMALA	19	31	24	2,54	1,45	1,38	48	45	33
HAITI	76	76	76	1,07	1,08	1,08	81	82	52
HONDURAS	11	18	16	1,78	1,61	1,68	19	29	30
JAMAICA AND OEP	2	4	4	.88	.75	.75	1	3	3
MEXICO	162	214	155	2,61	3,35	2,90	423	720	450
NICARAGUA	27	41	27	3,05	2,76	2,41	51	113	65
PANAMA	102	115	115	1,43	1,61	1,22	146	188	140
TRINIDAD+TOBAGO	5	7	7	2,46	2,86	3,00	13	20	21
UNITED STATES	822	1,134	905	5,08	5,12	5,39	4,174	5,906	5,307
TOTAL	1,553	2,009	1,977	3,73	3,92	3,50	5,791	7,879	6,927
SOUTH AMERICA									
ARGENTINA	82	85	92	3,69	3,64	3,52	302	309	351
BOLIVIA	46	70	65	1,57	1,29	1,36	72	90	90
BRAZIL	4,515	6,000	5,400	1,31	1,42	1,44	6,328	8,500	7,800
CHILE	22	27	25	2,95	3,37	3,80	64	91	95
COLOMBIA	281	372	366	3,85	4,34	4,23	1,083	1,614	1,649
ECUADOR	86	126	125	2,35	2,46	2,24	202	310	280
GUAYANA	102	116	100	1,86	2,41	1,67	190	279	167
PARAGUAY	20	25	25	1,98	2,20	2,20	40	55	55
PERU	129	118	122	4,06	4,08	4,40	523	481	537
SURINAM	40	45	46	3,61	3,91	3,50	146	176	175
URUGUAY	37	52	56	3,92	4,17	4,14	167	217	232
VENEZUELA	108	113	80	2,05	3,21	3,46	220	363	277
TOTAL	5,771	7,149	6,502	1,61	1,75	1,79	9,316	12,488	11,605
EUROPE									
FRANCE	18	11	9	3,51	3,45	3,44	68	35	31
ITALY	182	174	180	5,01	5,80	5,42	911	1,009	976
TOTAL: EC	200	185	169	4,87	5,66	5,33	975	1,047	1,007
GREECE	17	20	19	5,08	5,10	4,42	84	102	84
PORTUGAL	40	30	22	4,11	4,40	4,05	164	132	89
SPAIN	61	62	68	6,02	6,10	6,02	368	378	391
TOTAL: WESTERN EUROPE	315	297	295	5,01	5,59	5,33	1,592	1,659	1,571
BULGARIA	16	16	16	3,95	4,38	4,38	63	70	70
MUNGARY	26	27	27	2,26	2,32	2,52	60	68	66
ROMANIA	26	22	20	2,16	3,14	3,25	56	69	65
YUGOSLAVIA	5	8	8	4,42	3,50	4,75	34	28	38
TOTAL: EASTERN EUROPE	76	73	71	2,80	3,22	3,39	212	235	241
TOTAL: EUROPE	394	370	366	4,58	5,12	4,95	1,804	1,894	1,812
U.S.S.R. (EUROPE AND ASIA)									
AFRICA	424	500	524	3,79	4,02	3,85	1,607	2,009	2,015
ALGERIA	2	2	2	2,89	3,00	3,00	5	6	6
ANGOLA	23	15	20	1,28	1,33	1,26	29	20	25
CHAD	50	52	52	.69	.58	.58	35	30	30
EGYPT	465	442	464	5,26	5,48	5,20	2,462	2,424	2,519
GAMBIA	30	32	32	1,68	1,88	1,88	50	60	60
GHANA	64	79	81	1,14	.89	.63	73	70	51
GUINEA	456	710	710	.82	.56	.56	374	400	400
GUINEA-BISSAU	33	38	38	1,02	.84	.84	33	32	32
IVORY COAST	301	410	470	1,17	1,10	1,15	352	452	540
LIBERIA	192	220	220	.91	1,00	1,04	175	229	229
MALI	960	1,045	1,050	1,84	1,85	1,67	1,023	1,736	1,750
MALTA	156	140	140	1,11	.79	.93	126	110	130
MOROCCO	4	4	6	4,45	5,25	4,50	20	21	27
MOZAMBIQUE	75	65	65	1,54	1,22	1,05	115	79	65
NIGERIA	271	300	310	1,76	2,00	1,96	475	600	609
SENEGAL	74	115	120	1,11	1,66	1,44	82	165	173
SIERRA LEONE	341	318	347	1,39	1,66	1,52	472	527	526
TANZANIA	134	200	213	1,58	1,93	1,68	212	355	400
UPPER VOLTA	35	42	42	.88	.95	.95	34	40	40
ZAIRE	281	310	365	.75	.82	.50	211	255	291
TOTAL	3,951	4,539	4,767	1,80	1,73	1,66	7,162	7,544	7,905
ASIA									
AFGHANISTAN	204	210	210	1,66	2,15	2,18	379	451	457
BANGLADESH	9,684	10,344	10,074	1,68	1,82	1,89	16,236	18,506	19,069
BURMA	4,792	4,894	5,150	1,71	1,88	1,80	9,221	9,315	9,315
CAMBODIA	1,106	1,050	1,400	1,36	1,45	1,29	1,502	1,500	1,500
CHINA, PEOPLES REP	33,020	34,500	34,500	3,40	3,45	3,42	112,326	119,000	118,000
CHINA, REP. P.R. (TAIWAN)	755	790	791	4,43	4,28	4,65	3,922	3,382	3,379
HONG KONG	4	5	5	2,53	2,00	2,00	10	10	10
INDIA	37,642	39,688	38,000	1,66	1,87	1,77	62,513	74,260	67,117
INDONESIA	8,254	5,765	6,750	2,49	2,57	2,59	20,567	22,560	22,667
IRAN	292	340	365	3,56	3,53	3,50	1,040	1,201	1,276
IRAQ	75	30	54	2,63	2,03	2,04	196	61	110
JAPAN	2,721	2,764	2,779	5,50	5,95	5,30	14,977	16,456	14,716
KOREA, NORTH	699	740	740	4,55	5,00	5,00	3,178	3,700	3,700
KOREA, REP. OF	1,194	1,215	1,219	4,78	5,32	5,94	5,709	6,485	7,243
LAOS	669	680	680	1,29	1,34	1,38	664	911	940
MALAYSIA (PENINSULAR)	561	595	427	2,89	3,77	3,77	1,615	1,717	1,611
NEPAL	1,211	1,240	1,265	1,96	2,10	1,94	2,373	2,605	2,450
PAKISTAN	1,511	1,710	1,692	2,28	2,30	2,16	3,467	3,929	3,660
PHILIPPINES	3,261	3,579	3,600	1,60	1,61	1,68	5,216	5,760	6,046
SAKAM	46	50	50	2,32	2,50	2,50	108	125	125
SARAWAK	121	145	145	1,22	1,03	1,03	148	150	150
SINGAPORE	1	1	1	3,00	3,00	3,00	3	3	3
SRI LANKA (CEYLON)	651	525	500	2,01	2,00	2,00	1,643	1,129	1,160
SYRIA	1	1	1	2,00	2,00	2,00	1	5	5
THAILAND	7,451	8,471	8,500	1,83	1,79	1,76	13,677	15,200	15,000
TURKEY	61	55	50	3,69	4,20	4,20	236	231	252
VIETNAM, 50C. REP.	2,716	5,310	5,310	2,09	2,04	2,35	5,680	4,10,851	4,12,480
VIETNAM, 50%	2,140	-	-	2,34	-	-	4,996	-	-
TOTAL	120,905	127,700	126,295	2,40	2,49	2,48	289,699	319,729	313,021
OCEANIA									
AUSTRALIA	54	75	90	6,17	5,57	5,44	331	418	490
TOTAL	54	75	90	6,17	5,57	5,44	331	418	490
WORLD TOTAL	133,051	142,342	140,524	2,37	2,46	2,45	315,908	352,258	343,781

1/ The world rice harvest stretches over 6-8 months. Thus, 1975 production represents the crop harvested in late 1975 and early 1976 in the Northern Hemisphere, with estimates for the crop to be harvested in early 1977 in the Southern Hemisphere. 2/ Harvester area as far as possible. 3/ Preliminary.

4/ Production has been combined for North and South Vietnam.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, reports of U.S. Agricultural Attachés and other foreign source materials.

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Weights, Measures and Conversion Factors

Bushel weights:

Wheat & soybeans = 60 lbs.
Corn, sorghum & rye = 56 lbs.
Barley (grain) = 48 lbs.: malt = 34 lbs.
Oats = 32 lbs.

1,000 kilograms

36.7437 bushels wheat or soybeans
39.3679 bushels corn, sorghum, or rye
45.9296 bushels barley
68.8944 bushels oats

Bushels to metric tons:

Wheat & soybeans = bushels \times .027216
Barley = bushels \times .021772
Corn, sorghum, rye = bushels \times .025400
Oats = bushels \times .014515

Area:

1 Acre = .404694 hectares
1 Hectare = 2.4710 acres

Yields:

Wheat = bushels per acre \times 0.6725 = quintals per hectare
Rye, corn = bushels per acre \times 0.6277 = quintals per hectare
Barley = bushels per acre \times 0.5380 = quintals per hectare
Oats = bushels per acre \times 0.3587 = quintals per hectare

Rice Factors

1 cwt. = 2.22 bushels = .617 barrels = .0453 metric tons
1 bu. = .45 cwt. = .277 barrels = .0204 metric tons
1 barrel = 3.6 bu. = 1.62 cwt. = .0734 metric tons
1 metric ton = 48.992 bu. = 13.609 barrels = 22.046 cwt.
bu. per acre \times 0.5044 = quintals per hectare
lbs. per acre \times 0.01121 = quintals per hectare

1 cwt. rough rice = .032659 metric ton milled
1 metric ton milled = 30.6198 cwt. rough

Milling rates
Rough to brown = 82%
Rough to milled = 72%